Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/23/2020 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123482	-2	2.87	123521	2.83
Blue	F	SSC	125000	124111	-1	1.86	124841	1.84
Blue	E	FITC	15892	15284	-4	2.86	331	21.63
Blue	D	PE	29999	28968	-4	2.02	630	15.39
Blue	B	PerCP-Cy5-5	43732	43329	-1	3.93	1168	21.85
Blue	A	PE-Cy7	30845	30701	-1	6.50	587	44.15
Red	C	APC	46112	44914	-3	2.46	1586	11.93
Red	A	APC-Cy7	30458	29560	-3	2.39	789	11.99
Violet	B	V450	7918	7598	-5	4.21	436	12.67
Violet	A	V500	32171	31065	-4	4.00	726	10.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16746	16.68	654	33	N/A	N/A	Pass
Blue	F	SSC	57135	1.37	585	26	N/A	N/A	Pass
Blue	E	FITC	59	70.60	554	11	0.0174	175	Pass
Blue	D	PE	132	52.61	560	12	0.1534	295	Pass
Blue	B	PerCP-Cy5-5	214	53.02	669	13	0.0077	43	Pass
Blue	A	PE-Cy7	109	111.68	715	17	0.0094	24	Pass
Red	C	APC	380	24.86	588	4	0.0255	162	Pass
Red	A	APC-Cy7	176	28.86	559	3	0.0055	1109	Pass
Violet	B	V450	66	58.41	461	3	0.0577	2304	Pass
Violet	A	V500	108	34.32	477	3	0.0251	1020	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.61	-32.24	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.52	13.60 - 20.40	N/A	N/A	29.49	30.00	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9967

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments